

FIG. 1

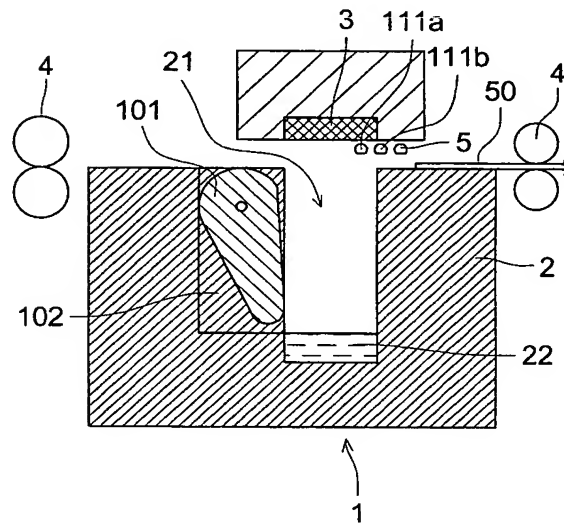


FIG. 2

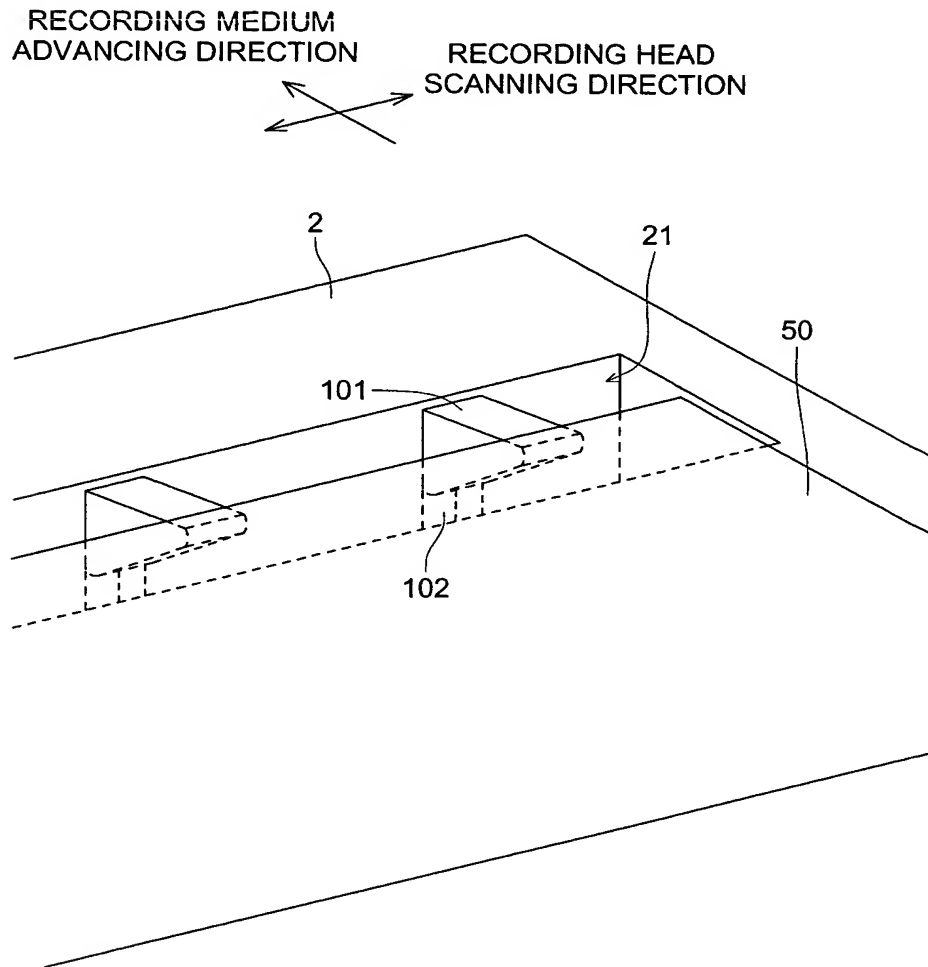


FIG. 3

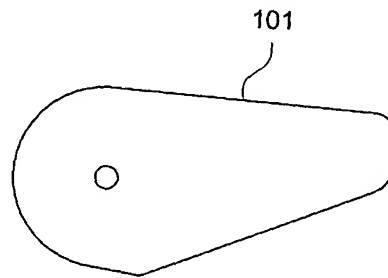


FIG. 4 (a)

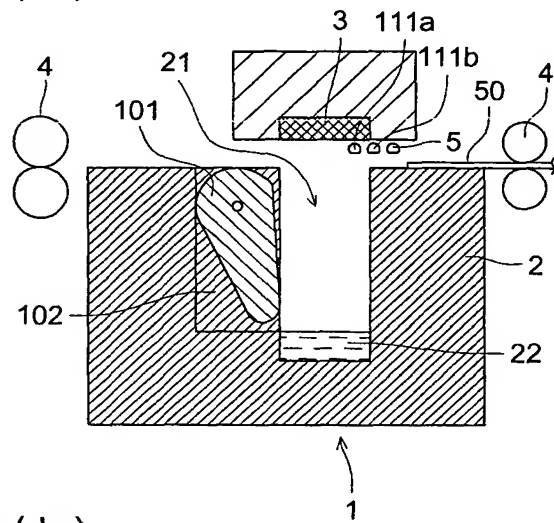


FIG. 4 (b)

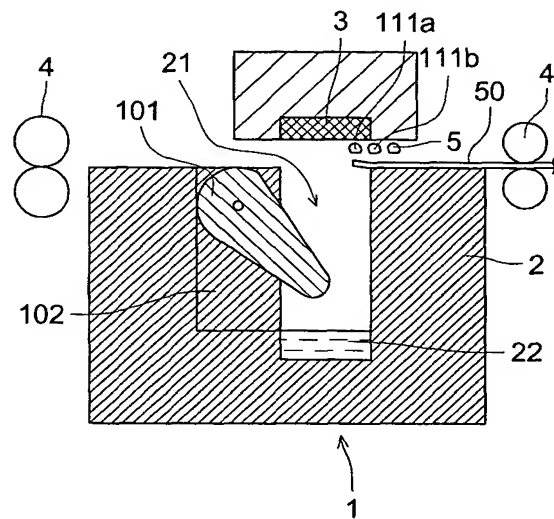


FIG. 4 (c)

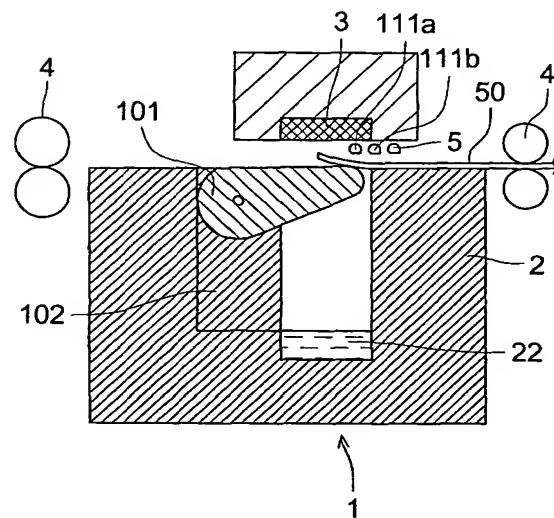


FIG. 5

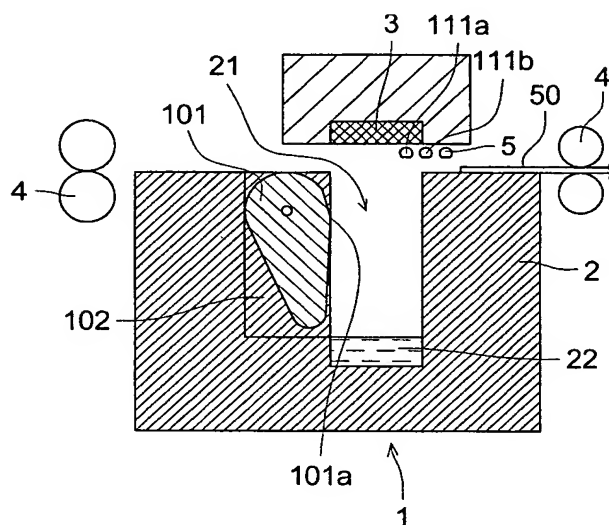


FIG. 6

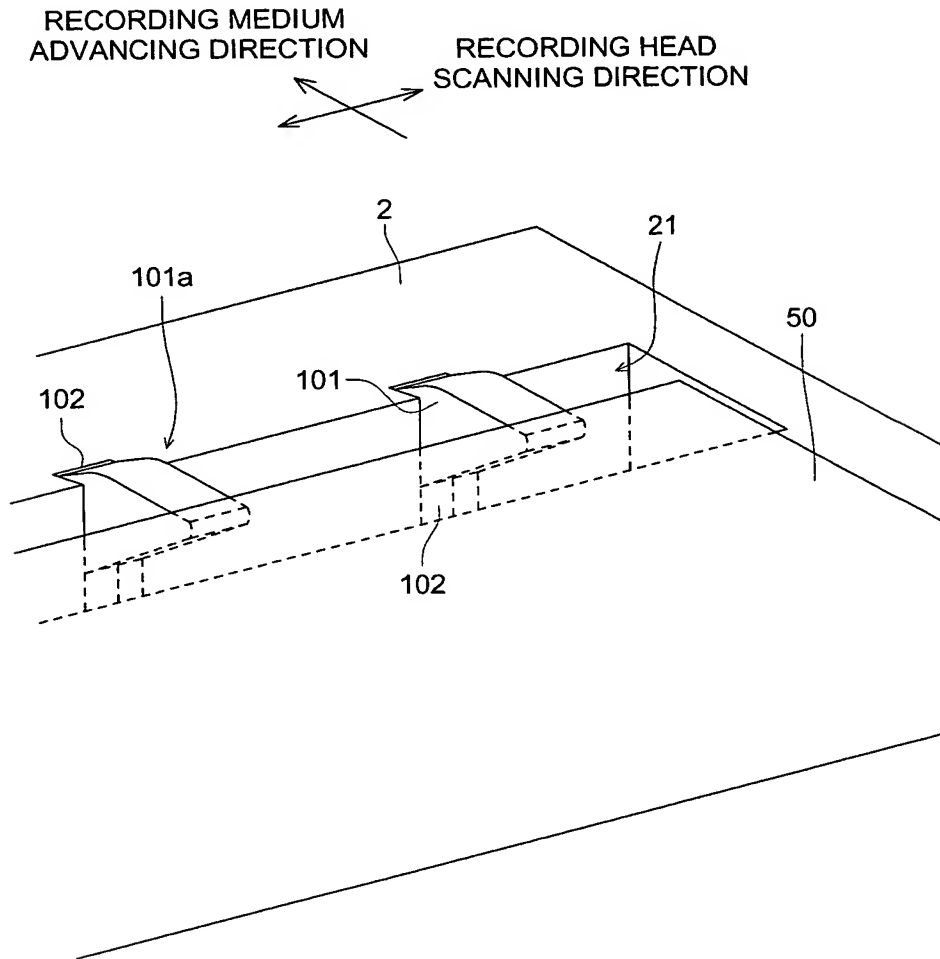


FIG. 7

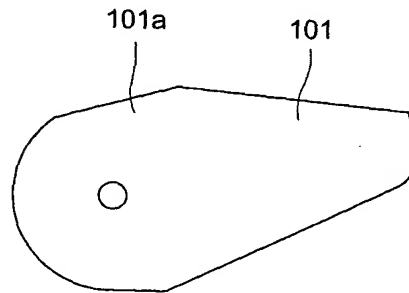


FIG. 8 (a)

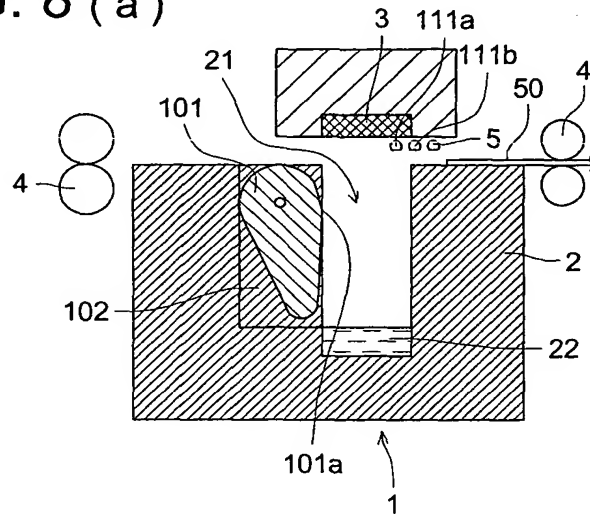


FIG. 8 (b)

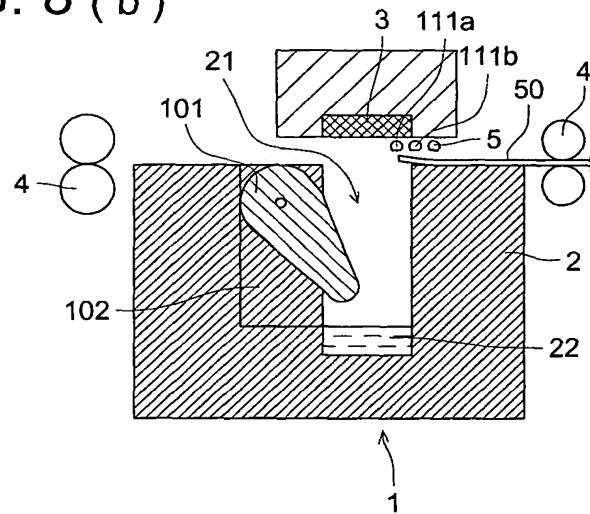


FIG. 8 (c)

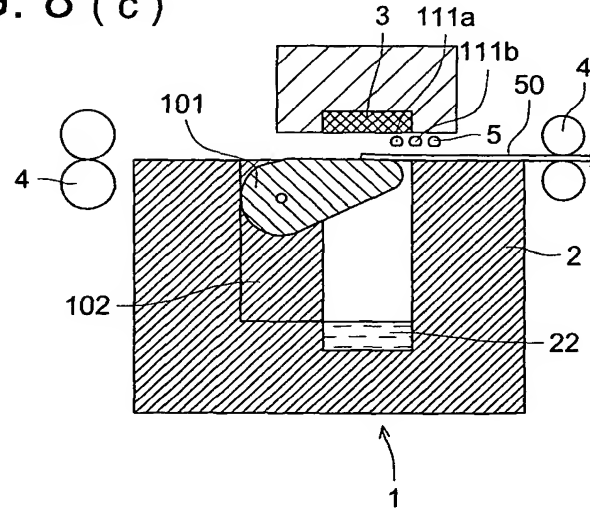


FIG. 9 (a)

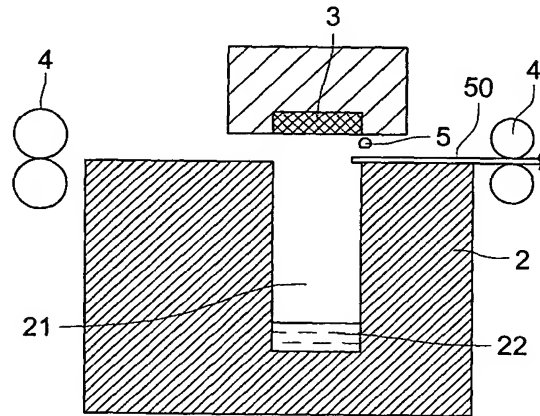


FIG. 9 (b)

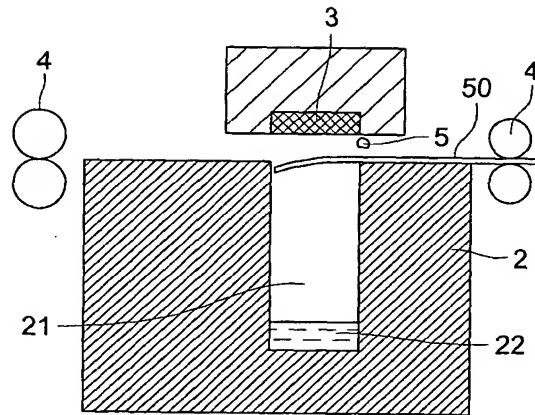


FIG. 10 (a)

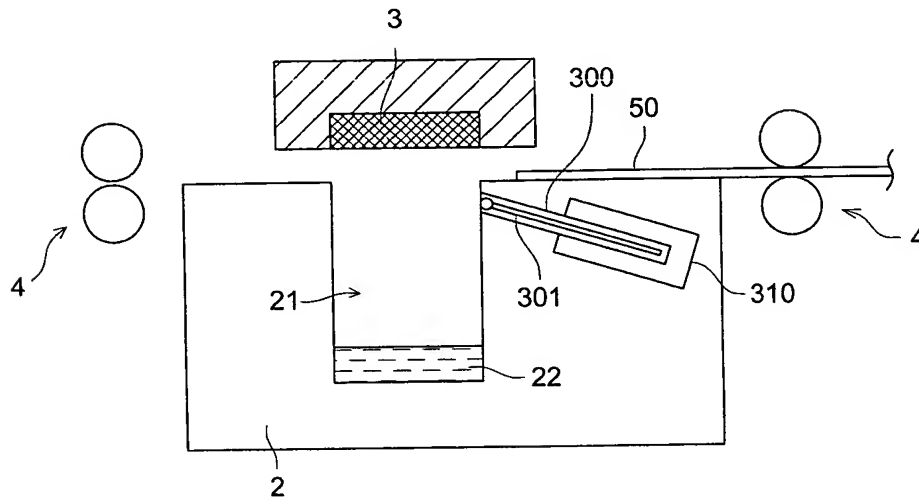


FIG. 10 (b)

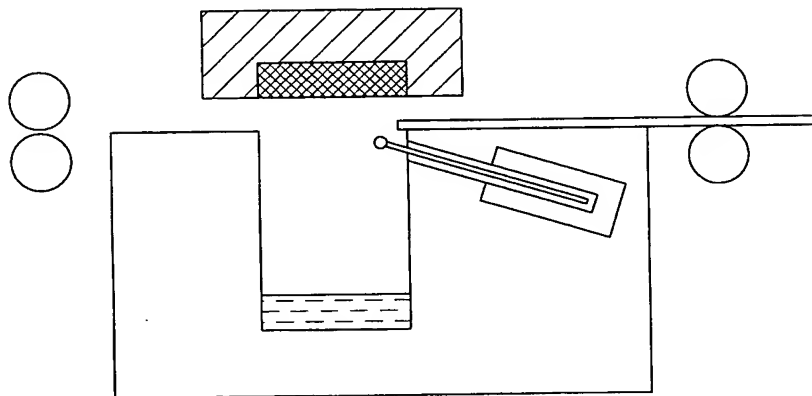


FIG. 10 (c)

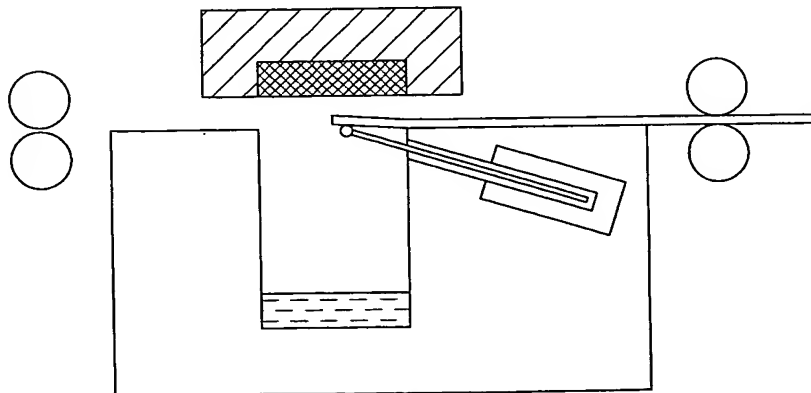
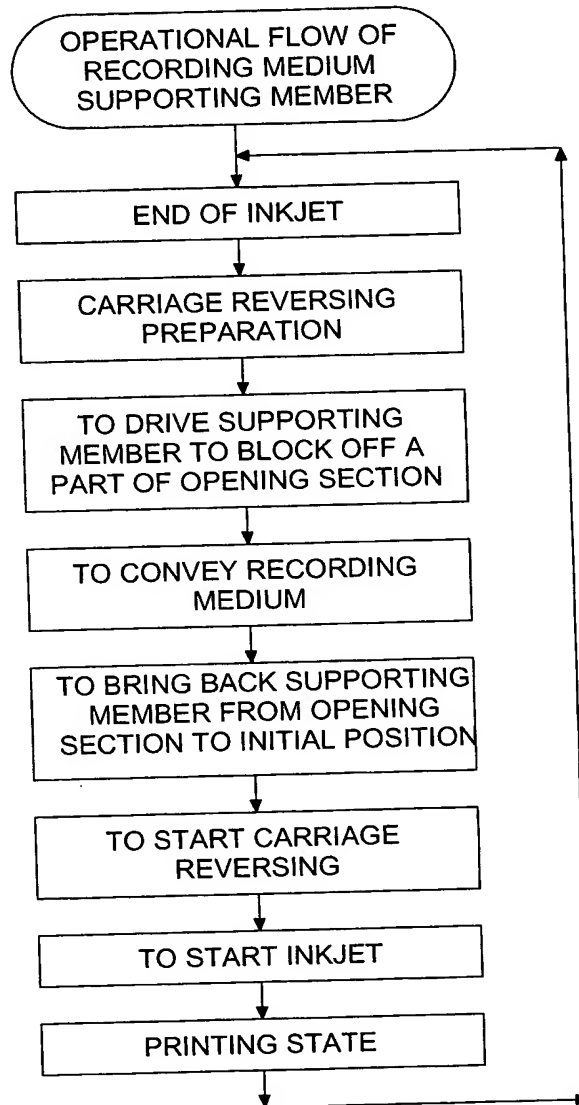
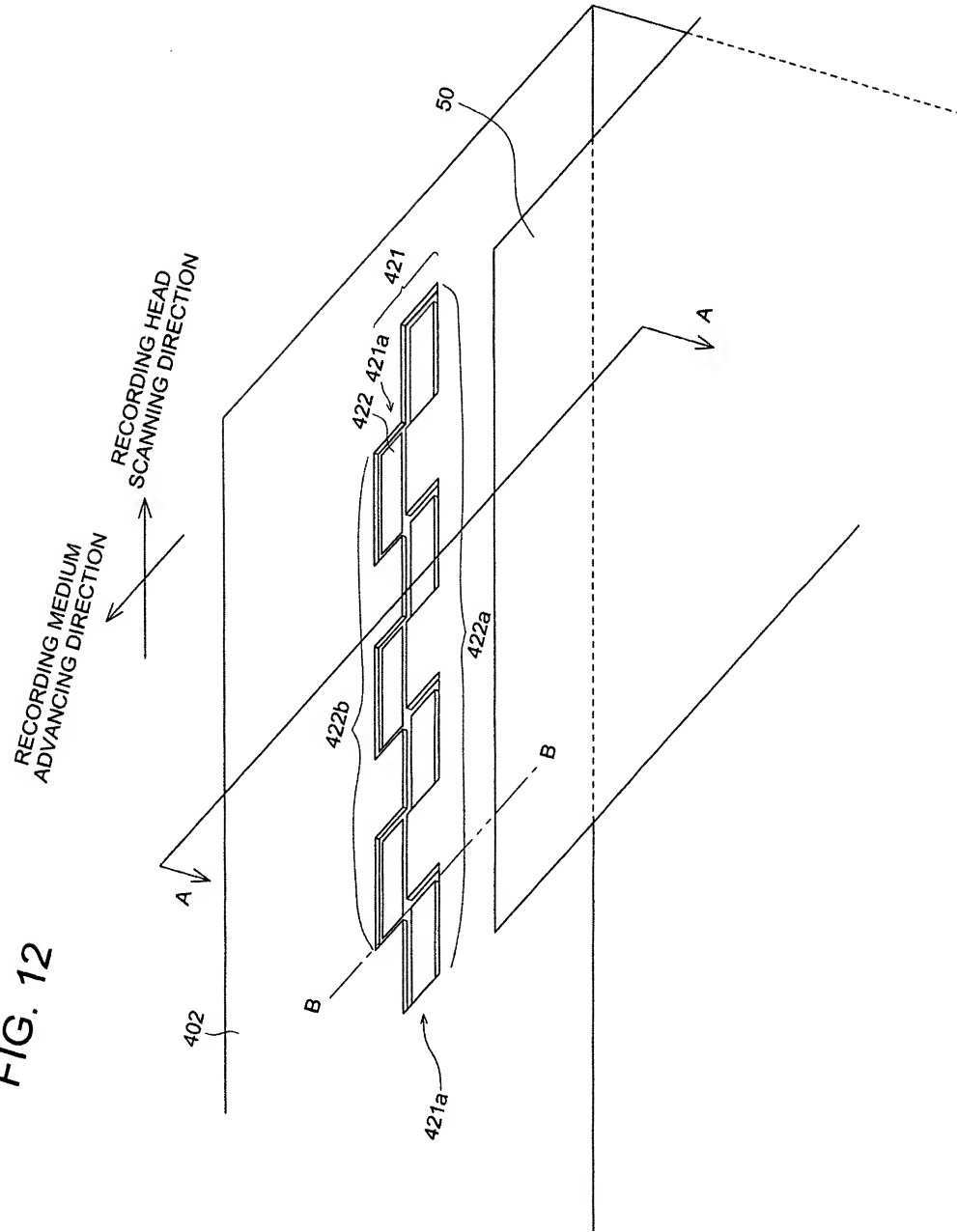


FIG. 11



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FIG. 12



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graph LR; A[PRINT STARTING SENSOR] --> C[CONTROL SECTION]; B["(FIRST PRINT END SENSOR  
SECOND PRINT START SENSOR)  
OR  
PRINT AREA CHANGING SENSOR"] --> C; D[BORDERLESS PRINT  
END SENSOR] --> C; subgraph C [CONTROL SECTION]; E[SCAN CONTROL SECTION]; F[INKJET CONTROL SECTION]; end; C --> G[RECORDING HEAD];
```

The diagram illustrates the control system for a recording head. It features three input sensors on the left: a PRINT STARTING SENSOR, a combined sensor for (FIRST PRINT END SENSOR, SECOND PRINT START SENSOR, OR PRINT AREA CHANGING SENSOR), and a BORDERLESS PRINT END SENSOR. All three sensors send signals to a central CONTROL SECTION. The CONTROL SECTION is composed of two sub-sections: a SCAN CONTROL SECTION and an INKJET CONTROL SECTION. The output of the CONTROL SECTION is directed to the RECORDING HEAD.

FIG. 14

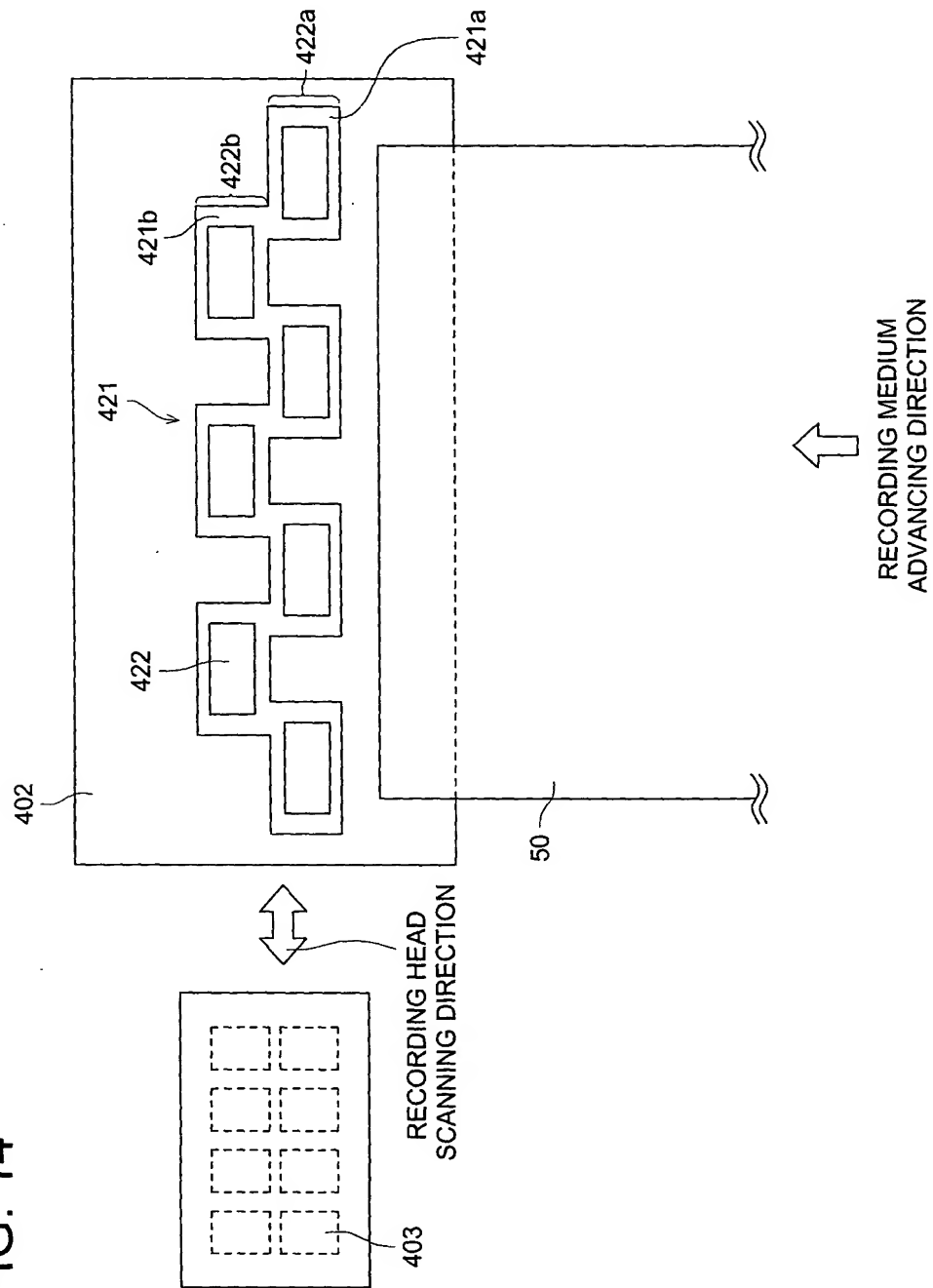


FIG. 15 (a)

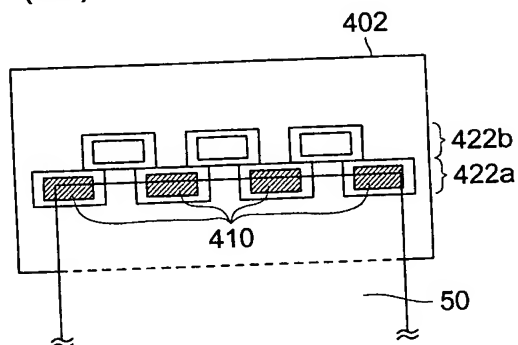


FIG. 15 (b)

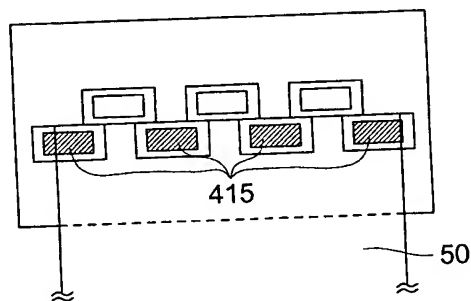


FIG. 15 (c)

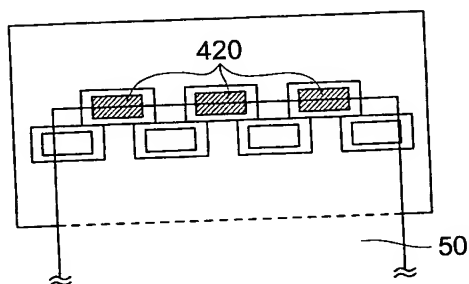


FIG. 15 (d)

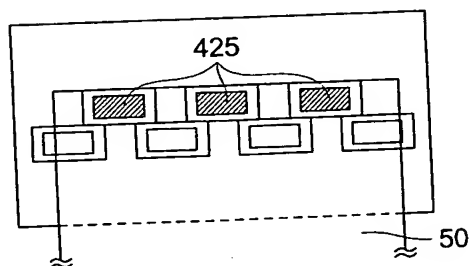


FIG. 16 (a)

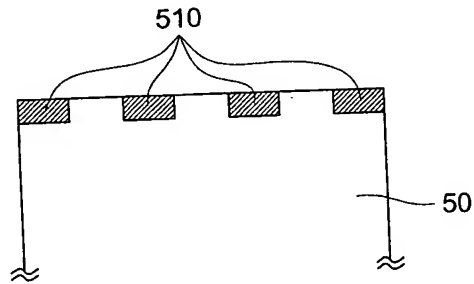


FIG. 16 (b)

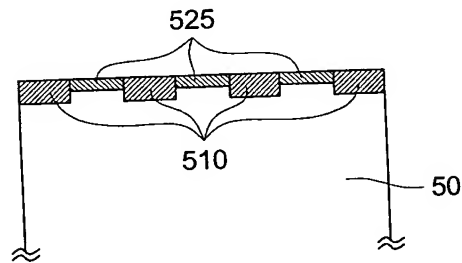
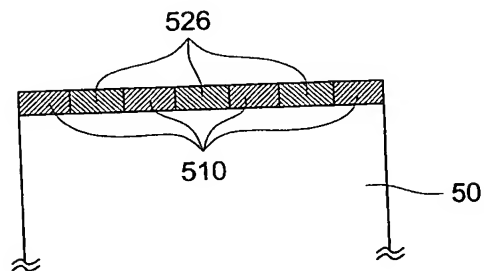


FIG. 16 (c)



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FIG. 17

